

FYI

CONCORDIA UNIVERSITY

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Mathematics As Life Saver

We all know that countless lives now lost to cancer could be saved if the dreaded killer disease could be detected early enough.

Mathematics might just be the earliest answer to this problem.

For the past three years Dr. Abraham Boyarsky, Associate Professor of Mathematics at Sir George, has been perfecting a mathematical model which will allow detection of abnormalities in the growth rate and mobile patterns of cells—abnormalities that could be the beginnings of cancer.

Cancer has certain characteristics: cancer cells often grow more rapidly than normal cells do; they tend to lose contact properties (meaning they don't hold on to each other as well), causing metastasis (the spreading of diseased cells to other parts of the body) which can ultimately lead to death.

It is this characteristic combination of unusually fast growth rate and mobility of cells that Dr. Boyarsky is studying. With grants from the Quebec government and the National Cancer Institute he aims to quantitate the invasiveness of cancerous cells into healthy tissue, using his mathematical—or probabilistic—models.

The idea is to watch the cells move and grow under the microscope, see patterns developing, compile statistical information on the cell motions, and then see what inferences can be drawn by using the probabilistic models.

At this point, the research has reached another stage.

Enter Dr. Peter Noble, a physiologist at McGill. Tissue samples—actually from hospital cancer wards—are studied under the microscope; cell movements are recorded on film which, when processed, is fed into Concordia computers and analyzed using Dr. Boyarsky's mathematical models; the computers then compute the verdict: abnormal, or normal.

The near future will see the complete

automation of the processing of the film results through the computer which could then prove this method to be the fastest and earliest cancer detecting method to date.

But Dr. Boyarsky is concerned with another cancer question: why can't the lymphocytes operate normally?

Lymphocytes are one of the types of white blood cells that are responsible for the immunological defense of the body. For some unexplained reason they cease to function normally when cancer cells are present; they lay down their arms, so to speak. Scientists are up against the old chicken-egg question: which produces which first?

Does the breakdown of the lymphocytes cause cancer?

Or does cancer cause the breakdown of the lymphocytes?

Now that Dr. Boyarsky has sorted out the mathematical cancer detection models, he intends to delve wholeheartedly into the lymphocyte problem.

If this young mathematician's primary concern is an effective and unique approach to cancer research, one of his secondary concerns is to disprove some people's erroneous notion that Orthodox Jews don't get involved in science and literature.

In the field of science, the 29-year old professor has proven himself with his past and present research, various grants, and publication of 20 mathematical papers within his three years at Sir George.

But what about literature?

Sixteen of his Kafka-influenced short stories have been published in many Canadian literary journals including *Fiddlehead*, *Journal of Canadian Fiction*, *Canadian Fiction Magazine*, *Antigonish Review*, *McGill Literary Review*, *Sunday Evening Anthology*, and *Jewish Dialogue*. He has co-edited the book "Canadian Jewish Writing" soon to be published by Harvest House. A Canada Council grant keeps him going on his current surrealistic novel "Loch Ness"—no relation to famous Nessie.

And they say math is dull!

Once We Have Prosperity Security Demand Intensifies: Graham

Now that Father Aloysius Graham has made changes in his sector of responsibility, he feels more than confident about the coming year and how the merger between Sir George and Loyola is evolving.

"Most of my work is now Concordia work," said Father Graham, vice-rector and principal of Loyola. "My role as principal is not a line appointment, but I feel it is my



Graham

responsibility to know what is going on here and to represent the interests of the campus."

The big change in Father Graham's operation this year is the recent appointment of Dr. G.W. Tait as the assistant vice-rector, admissions & liaison.

This has liaison and admissions reporting to Dr. Tait, rather than reporting to Father Graham himself.

Dr. Tait, former registrar at Loyola, was also the president of Regis College in Toronto and vice-president academic at St. Mary's University in Halifax.

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Dr. Tait's function, said Father Graham, was to bring unity to these highly related departments and to further develop student recruiting and to refine the admissions procedure.

Father Graham's other main task is to administer the \$1.5 million annual budget for Concordia student services. Last year's budget was \$1.4 million and the increase this year has been absorbed in salary increases.

"It appears that we can no longer expect any budget increases in the student services area," he said. "While we can expect services to remain what they are, it is reasonable to assume that as salary increases continue, services may well contract over a longer term period."

Father Graham had found that students over the years had changed.

"They are much quieter now," he said. "They appear to be much more concerned with personal security than all the causes they fought for in the past. Perhaps they felt that the things they were fighting for weren't worth their efforts."

Father Graham felt there were some dangers in this concern over security. "Once we have prosperity, the demand for security becomes more intense. People are prepared to give up many things in order to protect their prosperity — even personal freedoms."

Other things concerned Father Graham as well. There has been a distressing decline in reading and writing skills over the years.

"I know it's easy to blame the education they received before they arrived here, but I can't help thinking that there is more than a little truth to the charge," he said.

"There is certainly a lack of resiliency among people these days that wasn't as apparent in the past," he said.

Father Graham in his function as principal, apart from being a "moral force" for Loyola, also has three specific duties which only apply to the westend campus.

One is the supervision of the Lacolle Centre, a Loyola retreat and think tank facility 45 miles south of Montreal. Last weekend, staffers of The Loyola News spent the weekend there sorting out their duties and plans for the coming year.

His other function is to oversee the activities of the Loyola student

ombudsman, Simone de Smit.

"She is doing a great job. I seldom have any work in that area at all. The reason she reports to me rather than through student services, is because her office requires independence."

Another function is the supervision of the legal office which reports to Father Graham. In the merged institution, its status is being examined. It offers legal help to the Loyola community and conducts the student court.

Lacolle Manager Takes Tour

Lacolle Centre manager Linda Allan spent a summer discovering the spiritual wisdom of the East.

After a couple of weeks hopping through Europe, she finally got down to business.

"I went to Turkey first. What a change from Europe. I just arrived in Istanbul and someone pinched my ass the moment I got off the bus."

Treatment of women was a prime concern, considering that she was travelling alone or with any group she could muster along the way.

In fact, Mrs. Allan was so struck by treatment of women it inspired this poem, entitled *Persian Woman*.

"Silently you speak to me of your pain
Of having dropped the twisted child
From your arid womb
Onto this too, too arid earth,

"I silently tell you I feel your pain
For your twisted child

Who plays with your shining hair,
Mountain Madonna.

He who would be husband
He — man — barks one command
You jump to move from my eyes
Faster than he breathes
Would I could free you sister.

Iran is a land of contrasts, many of them amusing, she said.

"You keep on seeing the strangest things, like veiled Arab women on Japanese motorcycles," she said.

There were moments of high adventure too. "I was part of a convoy. We were driving German cars to be sold in Teheran. There was an accident on the dirt tracks they call roads and one car went over a cliff. One man broke his leg and we had to leave another more severely injured man behind in hospital. I don't know whether he ever recovered."

After the ups and downs of the Middle East, Mrs. Allan was more than ready to leave for India — the place where she really wanted to go.

The joy of leaving the dark ages, sparked another creative entry in her diary.

"Je suis arrivee
Pan Am flight
dinner, drinks
And toilet paper!"

Her enthusiasm at reaching New Delhi was soon blunted. "You can't go anywhere without beggars screaming; piase! piase! A piase is one, one-hundredth of a rupee, and a rupee is worth 12 cents. So you can imagine what a piase (pronounced pisa) is worth," she said.

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Lacolle Centre manager Linda Allan, left, and the Centre's new coordinator, Marilyn Callan.



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Mrs. Allan was not happy about the authoritarian rule of Indira Ghandi. "I heard stories all the time of trucks arriving at work sites and men being rounded up and taken to hospital," she said.

"They never knew what they were going for until they got there — maybe not even then. When they came out, they had been sterilized," she said.

"You must understand that in India the number of children a man has often determines his wealth and security. While he has more mouths to feed when they are children, they also represent his security when he gets old."

Mrs. Allan said there were soldiers everywhere. "They don't seem to have police. There are traffic police, but the major uniformed presence appears to be the army," she said.

Mrs. Allan headed north to Nepal, where she spent time in Katmandu.

"There are a large number of westerners there," she said when asked about hippies, who apparently have congregated in great numbers in the East.

"But they are long-time residents now," she said. "They've set up local industry in many cases. They are involved with printing. From what I saw, they are quite accepted by the local people."

Mrs. Allan was struck by the great spiritual awareness of the Hindu faith and how most of the people are far more concerned with their relationships with their fellows than material things.

"I bathed in the Ganges," she said. "When you go in you are washed in silky mud, which leaves your skin glowing. I felt I had washed off my earthly sins. It was a strange experience."

Mrs. Allan doesn't know when she will return to the east, but she is certain that she will. "There is just so much to see. It was like a 24-hour-a-day two-and-a-half-month-long feature movie in which I had a role."

Now that she's back, Mrs. Allan has been joined by an activities co-ordinator of the Lacolle Centre, which is located 45 miles south of Montreal.

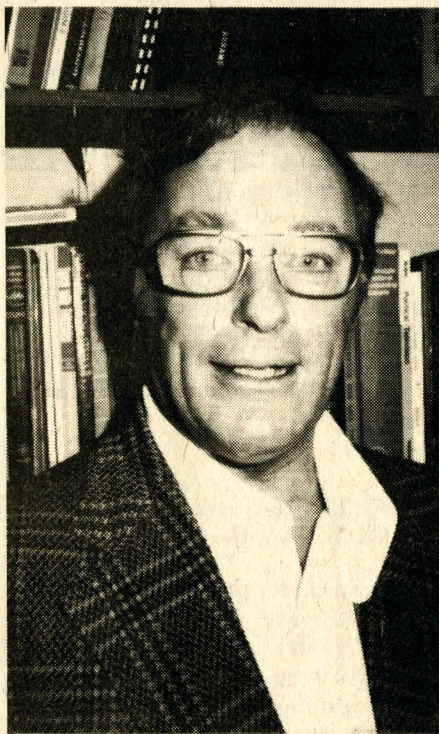
The new person is Marilyn Callan, 29, who was formerly a staff training officer with Ville Marie Social Service Centre at St. Catherine and St. Hubert Streets.

Out Of The Chair But Still In The Saddle

Father Jack O'Brien, the founder of Loyola's Communication Arts Department, has given up his chairmanship to return to full-time teaching this year.

"It will give me a great deal more time to do what I really want to do," said Father O'Brien, who despite his duties as chairman has always managed to teach two courses a year.

"But now, I shall be able to write more and to pursue research which has



Jack O'Brien

been next to impossible before," he said.

Father O'Brien has managed to keep in personal touch with the students and faculty within the department, but is pleased that without administrative duties his opportunities for personal contact with people will be greatly increased.

He said that Comm Arts gets about 400 applicants each year to take the first year course. "We only accept about 100," he said. "Keeping the numbers down is important in maintaining personal contact with everyone's development. That's why we keep the student numbers down to

300 or so. Any more than that and the place would become a factory."

Father O'Brien, a Loyola graduate himself, never thought that he would start a communication arts department.

"I was in my Tertianship (last part of a Jesuit's preparation) at St. Beuno's in Wales, when I received a letter from my Provincial (officer commanding Jesuits in Eastern Canada)," he said.

The letter sounded him out on a proposal that he take a comm arts degree with a view to establishing an educational unit.

"I didn't even know what they were talking about at the time. I didn't know that such courses were offered. That was back in 1958 or '59," he said.

Father O'Brien's investigations led him to the University of Southern California, where he took his doctorate. "I believe I was the only one in Canada holding such a degree at the time," he said.

Father O'Brien's pursuits were a small part of a world Catholic thrust which had its roots in *Miranda Probus*, an encyclical letter issued by Pope Pius XII.

The letter spoke of the importance of communications for the rest of the century and stressed the need of churchmen to be well versed in the subject.

Father O'Brien pointed to a thick directory of Jesuits all over the world who are in various fields of communications.

Once finished at the University of Southern California, Father O'Brien started an elective course at Loyola entitled Mass Communications and Society.

"We started off with a handful of people — maybe ten — but by the end of the year, there were 72 involved," he said.

It was then that he drew up a proposal for Loyola Senate to create a department and the proposal was approved.

"We started with an office on the upper floor of the Central Building," he said. "All we had in terms of equipment was a tiny sound studio."

That was 1964. "We decided to give no journalism courses," he said. "Carleton was getting their program underway at the time and we didn't want to do what everyone else was doing."

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Eventually, the department moved to Bryan Building and occupied a small section of it. Today it has consumed most of the building and is equipped with sound and television studios, camera gear and film labs.

Father O'Brien said he spent an enjoyable summer away from administrative details and he would like to continue many of the activities he pursued throughout this period.

"The Ontario Council of Universities asked me to evaluate a masters program in communication arts at the University of Windsor and I was an outside examiner in a doctoral defense at the University of Ottawa," he said.

"I've done this sort of thing in Quebec," he said. "But this was the first time I have been asked to do it out of province."

Father O'Brien is also a key organizer of a world audio-visual conference in Munich in November, 1977.

It is a Vatican conference on the evangelical uses of audio-visual material he said. "I was in New York last week for a conference, but now that I have been made chairman of the Continental Committee, the meetings could easily switch to Montreal," he said.

Father O'Brien is replaced by Dr. Joan Tierney, whose background is in French literature, children's television programs, philosophy and software design.

Calling All Worker-Students

The Part Time Students' Association (P.T.S.A.) would like to find out how many full-time employees on the Sir George Williams Campus are registered as part-time students.

The Part Time Students' Association (formerly the Evening Students' Association) consists of an Advisory Committee made up of five students, two (2) faculty and one (1) administrator, and is the official body directing the P.T.S.A. operation.

An office is maintained in H603, and a full time secretary is employed from 1 - 9 p.m. Monday to Thursday, and 10 a.m. to 5 p.m. on Fridays.

At present the P.T.S.A. has a mandate from the Board of Governors to carry on until the end of 1977 - 1978.

In the meantime, its task is to establish a resource to the part-time student in as effective and meaningful a way as possible.

In the development of its task, it seeks the help of interested part-time students from those employed in the University. Why not call 2832 and leave your name, or call one of the advisory committee members listed below, offering your assistance to the extent you can. Would you be interested in representing the P.T.S.A. on academic committees or serving on some of the sub-committees being organized?

This is a new body with a determination to be of practical help to the part-time student at the University. Please call and let us know how you feel about the needs of part-time students, and how you would like to help.

R. Evans - Chairman: 334-0389 (h);

Lesley Brooks: 937-2811 (o);

Allen Macdonald: 256-6965 (h),
255-8811 x 441 (o);

Judy Abbott: 453-1348 (h);

R. Wills: 879-4389 (o);

D. Oancia: 694-2128 (h), 8123 (o);

J. Hopkins: 879-5892.

Jobs

FILING CLERK (LA-B) - LIBRARY, ACQUISITIONS

DUTIES: Under the supervision of the Senior Assistant, Acquisitions, to file order slips and duplicate selection slips; to report all accidental duplicate orders, sending cancellation letters when necessary; to answer telephone inquiries concerning the On-Order-In Process File; to train and supervise hourly employees in filing procedures; and to assist the Senior Assistant in solving problems as requested.

QUALIFICATIONS: High School diploma AND a minimum of one year office experience — preferably in filing procedures. Candidate must have excellent organizational skills and the ability to work quickly and accurately in solving daily problems.

CLERK (OF4) - BUDGET CONTROL, FACULTY OF SCIENCE

DUTIES: To perform accounting duties and operate telex and computer terminal, to oversee operation of 2

photocopying machines, charging departments monthly for use; to type and process cheque requisitions, to verify travel advances; to answer telephone; to handle working budgets for the Faculty of Science

QUALIFICATIONS: Minimum 4 years related experience, preferably in accounting, experience in operation of telex and or computer terminal, fast accurate typing skills, ability to deal effectively with Faculty Members and Students.

Interested candidates are invited to submit applications in writing or to contact the Personnel Officers as indicated below:

Miss Lynne McMartin

Sir George Williams Campus
879-8116

Miss Helen Raspin

Sir George Williams Campus
879-4521

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You Can Benefit By Reading This

The brochure describing the proposed benefits program for Concordia University staff and faculty has been distributed and anyone who hasn't so far received one should call 879-8027 for copies or drop around the personnel department at 1420 Sherbrooke West (room A-403).

Benefits administrator Colin Waters is willing to try to answer all questions you may have concerning the proposed program. He's at 879-8113.

The program was drawn up by the Concordia Benefits Committee and referred to the Board of Governors which is expected to decide one way or the other on it at its October meeting. If the Board doesn't approve the document, it will be referred back to the committee for changes.

There are a number of information meetings in progress at the moment and for times and places, please proceed to the events page in this issue.

Film Telescopes Lab Course

Thanks to Concordia's Audio-Visual Department, engineering students can see five or six months of laboratory work in a half-hour.

What the department has done is to record the lab procedures of Dr. Bela Lombos' microelectronics course on film. The film was shot in Super 8 colour, but is transferrable to colour video cassette and can be shown on a television playback unit acquired by A-V. The viewer can watch the film at his own speed, reviewing sections at will by simply replaying the cassette as one would on a tape recorder.

The premiere screening of "Microelectronics: Thin Film Technology" took place last week and Ben Queenan, head of the Audio-Visual Department, explained how the project got started. "Dr. Lombos had been asked by UNESCO to set up a pioneer microelectronics centre in Alexandria, Egypt. The film was intended for the students in his course while he was away."

But this audio-visual technique has broader application, as Andrew Crighton, head of TV-Audio production, points out. "It's often difficult for students in lab courses to see the connection between each procedure, carried out over a long period of time, and the end result. The film should help the student see the series of connected steps."

The film incorporates a question-and-answer approach, recording a typical student and lab instructor, with occasional humorous relief: not always an easy feat considering the subject's complications.

The Audio-Visual team plans a series of similar films for Engineering.

Metric Mania

The Loyola Campus must be one of the most mapped areas in the country, because every year scores of civil engineering students come to survey it again as part of their courses.

"There's 58 of us doing it this year and we're all from Sir George," said Chris Fett, who like the rest of the crew



Engineering students Chris Fett, left, and Leon Cygman

is doing second year civil engineering.

"It's all metric," he said. "So you can't even compare with maps done in previous years."

Leon Cygman, who plans to get into transport engineering (roads, dams,

tunnels and the like) described the experience as a "crash course" in surveying, lasting three weeks.

"It's really a lot of fun — if it isn't raining. It's nice to be outside," he said.

Pass The Palette Please: Arts Festival Planned For Late March

The Arts Festival, initiated last year, will be held again this year, according to organizing committee chairman Michael Sheldon.

The Executive Assistant to the Rector tells FYI that last year's prize money amounting to \$2000 will be awarded again this year, in lots of \$100 each to first prize winners.

The committee still has to come up with a final decision on the actual prize categories and Sheldon says he expects there will be some changes from last year's pattern.

Also expected to change is the festival locale. Last year, the festival roamed from one campus to the other but this year it is expected to be held on

the Loyola campus only. Festivals, don't as a rule roam, anyway.

Sheldon underlines that plans are for the moment only tentative. So far, they call for holding the festival in late March, and submissions from competitors must be in the committee's hands by the last day of January.

The festival committee membership is expected to be the same as last year's with a few changes.

It's expected that the organization of the festival will be tighter this year, with the addition of extra staff to help out the organizing committee.

Details on how to apply to enter the festival, plan submissions and other points will be finalized and announced in late October. For your more immediate questions, comments and advice, contact Michael Sheldon at 879-2863.

Now is the time for all painters, dramatists, sculptors, songsters (and stresses), filmstars, photographers, writers and writresses to come to the aid of the party. After Corridud, Concordiart! March on for March!

Deadline for events listing is Monday noon for Thursday publication. Get your message to Maryse Perraud (Bishop Court, Room

213-879-8499) for Sir George events and to Gabrielle Murphy (AD-233-482-0320, ext. 421) for Loyola events.

Sir George Williams Campus Thursday 9

CONSERVATORY OF CINEMATOGRAPHIC ART: First day of Werner Herzog Film Festival — "Lebenszeichen" (Signes de vie) (French sub-titles) (Werner Herzog, 1967) with Peter Brogle, Wolfgang Reichmann, Athina Azcharopoulou and Wolfgang von Ungern-Sternberg at 7 p.m.; "Aguirre der Zorn Gottes" (Aguirre the Wrath of God) (in English) (Werner Herzog, 1972) with Klaus Kinski, Helena Rojo, Del Negro and Ruy Guerra at 9 p.m. in H-110; \$1 each. DAY STUDENTS' ASSOCIATION (DSA): "Bananas" with Woody Allen at 1 and 3 p.m. in H-110; free to students with I.D.

ARTS & CRAFTS FAIR: On the mezzanine, 9 a.m. to 10:30 p.m.

Friday 10

CONSERVATORY OF CINEMATOGRAPHIC ART: "Die Beispiellose Verteidigung der Festung Deutschkreutz" (La defense sans precedent de la forteresse Deutschkreutz) (original version) (Werner Herzog, 1966); "Letzte Worte" (Dernieres paroles) (original version) (Werner Herzog, 1967) and "Die Grosse Ekstase des Bildschnitzers Steiner" (La grande extase du sculpteur sur bois steiner) (French sub-titles) (Werner Herzog, 1974) with Walter Steiner at 7 p.m.; "Land des Schweigens und der Dunkelheit" (Le pays du silence et des tenebres) (French subtitles) (Werner Herzog, 1971) at 9 p.m. in H-110; \$1 each.

SCIENCE FACULTY COUNCIL: Meeting at 2:15 p.m. in H-762-1-2

CHINESE GEORGIANS: Party 4:30 p.m.-2 a.m. in H-651.

INFORMATION MEETING: On proposed Concordia employee benefits program in English at 10 a.m. in H-110; French at 2 p.m. in H-110.

Saturday 11

CONSERVATORY OF CINEMATOGRAPHIC ART: "Fata Morgana" (English version) (Werner Herzog, 1968) with Wolfgang von Ungern-Sternberg, James William Gledhill and Euden des Montagnes at 7 p.m.; "Jeder fur sich und Gott jeden alle" (L'enigme de Kaspar Hauser) (Werner Herzog, 1974) (English sub-titles) with Walter Ladengast, Brigitte Mira, Hans Musaus, Willy Semmelrogge and Michael Kroetcher at 9 p.m. in H-110; \$1 each.

Sunday 12

CONSERVATORY OF CINEMATOGRAPHIC ART: Last day of Werner Herzog Film Festival — "Auch

Zwerge haben klein Angefengen" (les nains aussi ont commence petits) (English sub-titles) (Werner Herzog, 1969) with Helmut Doring, Gerd Gikel, Paul Glauer and Erna Gschwendtner at 7 p.m., \$1; for cinema buffs, a discussion with Werner Herzog at 9 p.m. in H-110.

Monday 13

CONSERVATORY OF CINEMATOGRAPHIC ART: The French classics — "Les enfants du paradis" Marcel Carne, 1943-45) with Arletty, Jean-Louis Barrault, Maria Casares, Pierre Brasseur, Louis Salou and Pierre Renoir at 8:30 p.m. in H-110; \$1.

C.S.A. & E.U.A.: "Animal Crackers" at 1 and 3 p.m.; free (bring I.D.!).

INFORMATION MEETING: On proposed Concordia employee benefits program in English at 10 a.m. in H-110.

Tuesday 14

INFORMATION MEETING: On proposed Concordia employee benefits program in English at 10 a.m. in H-110; in French at 2 p.m. in H-110.

CONSERVATORY OF CINEMATOGRAPHIC ART: Academic series — "She and He" (English subtitles) (Susumu Hani, 1963) with Sachiko Hidari, Eiji Okada, Kikui Yamashita and Mariko Igarashi at 8:30 p.m. in H-110; \$1.

Wednesday 15

D.S.A., E.U.A. & S.S.A.: "Mandrake the Magician" at 2 p.m. in H-110

Thursday 16

CONSERVATORY OF CINEMATOGRAPHIC ART: "The first twenty years of American cinema" (Part 21, 1899-1908) and "Four Sons" (John Ford, 1928) with Margaret Mann, James Hall and Charles Morton at 7 p.m.; "Every girl should be married" (Don Hartman, 1948) with Cary Grant, Betsy Drake and Diana Lynn at 9 p.m. in H-110; \$1 each.

WEISSMAN GALLERY: Henry Sandham exhibit, until October 5.

GALLERY ONE: Ruth Beer: sculptures, until October 5.

GALLERY TWO: Undergraduate introductory print-making, until October 5.

D.S.A.: Wine & cheese party, 2-8 p.m., in H-651.

Friday 17

CONSERVATORY OF CINEMATOGRAPHIC ART: "Mildred Pierce" (Michael Curtiz, 1945) with Joan Crawford, Ann Blyth, Zachary Scott, and Jack Carson at 7 p.m.; "Stage Fright" (Alfred Hitchcock, 1950) with Marlene Dietrich, Jane Wyman, Michael Wilding and Richard Todd at 9 p.m. in H-110; \$1 each.

CHINESE GEORGIANS: Party on the mezzanine, 4:30 p.m.- 2 a.m.

SCIENCE FACULTY ASSOCIATION: Wine & cheese party, noon to 7 p.m., in H-651.

Saturday 18

CONSERVATORY OF CINEMATOGRAPHIC ART: "High Sierra" (Raoul Walsh, 1941) with Ida Lupino, Humphrey Bogart, Arthur Kennedy and Joan Leslie at 7 p.m.; "Dial 'M' for Murder" (Alfred Hitchcock, 1954) with Ray Milland, Grace Kelly, Robert Cummings and John Williams at 9 p.m. in H-110; \$1 each.

Sunday 19

CONSERVATORY OF CINEMATOGRAPHIC ART: "The Maltese Falcon" (John Huston, 1941) with Humphrey Bogart, Mary Astor, Sydney Greenstreet and Peter Lorre at 7 p.m.; "Strangers on a Train" (Alfred Hitchcock, 1951) with Farley Granger, Ruth Roman, Robert Walker and Patricia Hitchcock at 9 p.m. in H-110; \$1 each.

Concordia-Wide

Friday 10

COMMERCE & ADMINISTRATION FACULTY COUNCIL: Meeting at 9:30 a.m. in H-769.

FINE ARTS FACULTY COUNCIL: Meeting at 1:30 p.m. in H-769.

Friday 17

ENGINEERING FACULTY COUNCIL: Meeting at 2:30 p.m. in H-769.

Loyola Campus

Friday 10

CAMPUS CENTRE: Disco "Jason and Co." at 8 p.m. Admission students 40 cents.

Saturday 11

CAMPUS CENTRE: Disco Plush in the main lounge at 8 p.m. Admission students 40 cents.

VARSITY FOOTBALL: Stingers vs. R.M.C. at 2 p.m.

Monday 13

OUTDOOR FILM SERIES: "College" with Buster Keaton at 8:30 p.m. in the Grove (outside the Bryan Bldg.) in case of rain, Campus Centre in the Upper Lounge. Free. Further info: Bluma, Irene or Laurien at 482-0320 loc. 341 or 343.

Tuesday 14

THE NATIVE PEOPLES OF CANADA: Ray Fadden from Six Nations Indian Museum, Oneota New York on "The Indian Experience before European Contact" 7 to 9:30 p.m. in AD-401.

Wednesday 15

LOYOLA FILM SERIES: "Duck Soup" Leo McCarey (1933) at 7 p.m. and "Ninotchka" Ernest Lubitsch (1939) at 8:30 p.m. in F.C. Smith Auditorium. Admission \$1. for each film.

INFORMATION MEETING: On proposed Concordia employee benefits program in English at 2 p.m. in F.C. Smith Auditorium.

Thursday 16

CAMPUS CENTRE: Square Dance with Jean Carignan at 8 p.m. Free.

ARTS & SCIENCE FACULTY COUNCIL: Meeting at 9:30 a.m. in AD-128.

INFORMATION MEETING: On proposed Concordia employee benefits program in French at 10 a.m. in F.C. Smith Auditorium; in English at 2 p.m. in F.C. Smith Auditorium.

Friday 17

INFORMATION MEETING: On proposed Concordia employee benefits program in English at 10 a.m. in F.C. Smith Auditorium; in French at 2 p.m. in F.C. Smith Auditorium.

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Notices:

CAMPUS CENTRE: Games Room is open Monday to Friday from 9 a.m. till 10 p.m. Pool, ping-pong, table games: cards, chess, backgammon, etc. For further information call Mr. Lawrence Lang, program director at 482-0320, loc. 235 or 330.

EATING AREAS: Campus Centre cafeteria, starting on 7 September, will be open from 8 a.m. until 7 p.m. on normal working days. Hingston Hall dining room will be open for all starting September 7 from 8 a.m. until 3:30 p.m. daily except Saturdays, Sundays and holidays.

BOOKSTORE HOURS: From September 7 till November 25, during the day the Loyola Bookstore is open from 9 a.m. till 5 p.m. In the evening from September 7 till September 17, Monday to Thursday, from 6 p.m. until 10 p.m.

LIBRARY HOURS: *Vanier Library*: Circulation, Monday to Friday from 8:30 a.m. till 11:30 p.m. Saturday and Sunday from 9 a.m. till 5 p.m.; (exams period 9 a.m. to 1 p.m. on Saturdays and Sundays). NON-PRINT: Monday to Friday 9 a.m. to 5 p.m., Wednesday 9 a.m. to 10 p.m. Sundays from 1 p.m. to 5 p.m. REFERENCE AND SPECIAL COLLECTIONS and INTER LIBRARY LOANS: Monday to Friday 9 a.m. to 10 p.m., Saturday from 9 a.m. to 5 p.m. and Sunday 1 p.m. to 5 p.m.

DRUMMOND SCIENCE LIBRARY: Circulation: Monday to Friday 8:30 a.m. to 10 p.m., Saturday 9 a.m. to 5 p.m. and Sunday 2 p.m. to 6 p.m.

Phones and People

SGW FACULTY OF ARTS

Dean: Ian L. Campbell
(H-401-1) Telephone: 879-4086

Department	Chairman	Telephone
Applied Social Science (F-103)	Richard D. McDonald	879-4343
Classics, Modern Languages and Linguistics (P-203)	Annamaria Ketter	5887
English (SA-200-4)	Michael Brian	4263
French (H-515)	Gilbert Taggart	4333
Philosophy (H-633)	Dallas Laskey	4504
Religion (R-107)	F.P. Bird (Acting Chairman)	4451
Economics (H-663)	Morton Stelcner	4290
Education (E-200)	Jitendra Bhatnagar	4541
Geography (X-105)	David Frost	4403
History (H-462)	Robert E. Wall	5884
Political Science (H-663)	Horst Hutter	4503
Psychology (H-1060)	June Chaikelson	4146
Sociology and Anthropology (SA-100)	H. Taylor Buckner	4180
Centre for Interdisciplinary Studies (T-104)	David Charlton (Director)	4042
- Asian Studies Committee (H-462-1)	John Hill (Coordinator)	5894
- Canadian Studies (H-462-16)	Richard Wilbur (Coordinator)	4473
- Science and Human Affairs (Q-106)	George Bindon (Coordinator)	4449
- Russian Studies (H-462-14)	Irving Smith (Coordinator)	4296
- Urban Studies (SA-100-5)	Taylor Buckner (Coordinator)	4180
- Women's Studies (SA-100-24)	Vivienne Walters (Coordinator)	8470
- Undergraduate Scholars Program (H-515)	Mair Verthuy (Coordinator)	7268
Centre for the Teaching of English as a Second Language (H-407-2)	Richard C. Yorkey	8428
Journalism (T-306)	David Oancia (Director)	8123

CENTRE FOR CONTINUING EDUCATION

Director: Douglas J. Potvin
Telephone: 482-0320 Loc. 710

Business & Administration (2170 Bishop Str.)	Kenneth Etheridge (Director)	8400
Educational Travel (2170 Bishop St.)	Doreen Bates (Coordinator)	8536
Cultural & Community (2170 Bishop St.)	Gwynn Cherrier (Coordinator)	8534
English Language (2170 Bishop St.)	Floyd Tuzo (Coordinator)	2865
Music & Arts (2170 Bishop St.)	Marcia Loynd (Coordinator)	8405
Off-Campus University Credit Courses (2170 Bishop St.)	John Fiset (Coordinator)	8402

SGW FACULTY OF SCIENCE

Dean: Roger H.C. Verschling
Telephone: 879-2872 (H-1101-2)

Department	Chairman	Telephone
Biological Sciences (H-1225)	Hildegard E. Enesco	879-4452
Chemistry (H-1139)	Roderick E. Townshend	5963
Mathematics (H-939-4)	Maurice Cohen	4260
Physics (H-841)	Stanley P. Morris	4041
Geology (H-841)	Henry de Romer	4459

LOYOLA FACULTY OF ARTS & SCIENCE

Dean: Russell W. Breen
Telephone: 482-0320 ext. 229
(CC325)

Department	Chairman	Telephone
Andragogy	Douglas J. Potvin (Coord)	ext. 710
Biology (DS-431)	R.T. Cronin	ext. 302
Bio-Physical Education (CC-409)	E.F. Enos	ext. 732
Chemistry (DS-308)	M. Doughty	ext. 331
Classics (HH-205)	S. Casey	ext. 669
Communication Arts (BR-123)	J. Tierney	ext. 377
Computer Science (RF-321)	A.K. Menon	ext. 308
Economics (CL-401)	A.G. Lallier	ext. 670
English (HH-307)	P.J. Holland	ext. 530
English as a Second Language	O. de Groot (Coordinator)	ext. 571
French Studies (HH-433)	M. Tiffou	ext. 567
Geology (DS-205)	D.J. McDougall	ext. 328
Health Education (HA-316)	Gladys Lennox (Director)	ext. 406
History (CH015C)	R. Tittler	ext. 460
Centre for Interdisciplinary Studies (CH023A)	M.G. Hogben	ext. 477
Library Science (VL-125)	Anne M. Galler (Acting Coordinator)	ext. 431
Mathematics (HA-416)	J. Soric	ext. 362
Modern Languages and Linguistics (BE)	H. Famira	ext. 292
Philosophy (CH-29B)	Andrew Kawczak	ext. 413
Physics (DS-124)	M.S. Dubas	ext. 309
Political Science (CH-27B)	E. Price	ext. 293
Psychology (BR-306)	M.L. Shames	ext. 496
Sociology (CH025)	G. Dewey	ext. 548
Theological Studies (HH-326)	S. McEvenue	ext. 552

FACULTY OF FINE ARTS

Dean: Alfred Pinsky
Telephone: 879-4384 (FA-202)

Visual Arts (H-543-1)	Judith Kelly	879-4137
Performing Arts (Loyola Campus HH-233)	Joseph T. Cazalet	482-0320 ext. 612

FACULTY OF COMMERCE AND ADMINISTRATION

Dean: Andrew Berczi
Telephone: 879-4385 (Y-209-1)

Department	Chairman	Telephone
Accountancy (N-594)	H. Mann	879-2897
Finance (N-560)	Calvin C. Potter	2857
Management (N-558)	R.L. Crawford	8107
Marketing (Y-3M)	G.R. Curnew	4227
Quantitative Methods (N-560)	D. West	8101

FACULTY OF ENGINEERING

Dean: J. Clair Callaghan
Telephone: 879-5926 (H-969-1)

Department	Chairman	Telephone
Civil Engineering (H-971)	Paul P. Fazio	879-4039
Electrical Engineering (H-915)	M.N.S. Swamy	4372
Mechanical Engineering (H-929)	M.P. DuPlessis	5851
Computer Science (H-963)	H.S. Heaps	8193